

JBEI Electronic Laboratory Notebook System

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JBEI is pursuing a novel approach to implement an electronic laboratory notebook (ELN) system. Ease of use, performance and cost are primary factors in the design of the system. Commercially successful, inexpensive software products are combined into a full-featured, hybrid system using integration software developed in-house. Powerful desktop note-taking software on a commodity tablet computer enables scientists to capture and organize notes, sketches, images, documents and other digital data files. All notebook information is periodically copied to a central, web-accessible repository for search and review by other authorized users. Integration with a secure digital timestamping service ensures that intellectual property can be defended in court. Pilot users have exhibited a high level of satisfaction; new users are adopting the system willingly based on peer recommendations. The completed system will facilitate online discovery and scientific collaboration, and will serve as a core component of our GTL knowledgebase.

This work was part of the DOE Joint BioEnergy Institute (<http://www.jbei.org>) supported by the U.S. Department of Energy, Office of Science, Office of Biological and Environmental Research, through contract DE-AC02-05CH11231 between Lawrence Berkeley National Laboratory and the U.S. Department of Energy.

